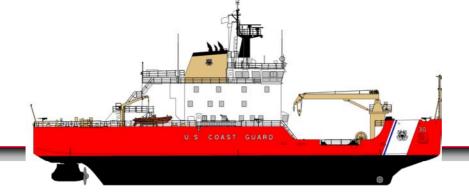
USCGC MACKINAW (WLBB 30) ICE TRIALS Ice Trials Planning Meeting



21 June 2004 USCG Project Resident Office, Marinette, Wisconsin



Welcome and Introduction



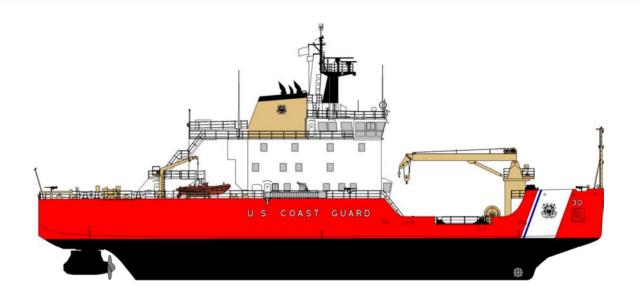
CG Objective of the Ice Trials

- 1. The general objective of the Mackinaw Ice Trials evaluate the performance of the cutter in Great Lakes ice conditions in order to provide information on how to operate the cutter effectively and safely Develop Operational Guidance and Define Operational Limits.
- 2. Ascertain the cutter's performance capabilities in Great Lakes ice conditions as compared to the design requirements.

Agenda

- GLIB/Mackinaw Construction Status Report
- Instrumentation and Ice Trials Schedule
- Update on Ice Trials Planning Activities
- Icebreaking Trials on CGC Hollyhock
- The Great Lakes Operating Area
- Operator Guidance for Mackinaw
- Shipboard Instrumentation Update
- Other Presentations
- Planned Near-term Efforts and Conclusion

Construction & Delivery Schedule



	Ice Trials	12/2005 - 04/2006	
Launch	01/29/2005	Contract Delivery	10/15/2005
Lay Keel	02/09/2004	Post Acceptance Trials	08/31/2005
Fabrication	04/14/2003	Dry Dock	06/24/2005
Award	10/15/2001	Builder Ship Trials	06/21/2005

USCG Engr. Logistics Center (ELC-023)

Ice Trials Schedule

	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06 Sen-06
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Launch																													+
Dry-Dock Underwater Coating																													+
Builder's Sea Trials (BST)																													
Preliminary Acceptance Trials (PAT)																													
Delivery																													
In Service Activities																													
Qualified Assurance Verification																													
Crew Ramp Up																													
Ice Trials Activities																													
Ice Trials Test Planning																													
Underwater Video Design and Installation																													
Pod Structural Analysis & Instrumentation Design																													
Pod Instrumentation																													
Dry Docking and Physical Calibration																													
Hull Structural Analysis & Instrumentation Design																													
Final Instrumentation																													
Ice Trials Phase 1																													
Phase 1 Analysis, Reports & Presentations																													
Ice Trials Phase 2																													
Phase 2 Analysis, Reports & Presentations																													

Ice Trials Planning Activities

- Participating Organizations
 - Operator Guidance Effort
 - Shipboard Instrumentation
 - Ice Properties Data Collection
 - Other Organizations





Presentation by LCDR Alcock



Presentation by LCDR Alcock

Operator Guidance for Mackinaw



The CGC Sundew works aids to navigation and breaks ice on the St. Marys River.

Approach for development of Operator Guidance for Icebreaking – Chris Cleary

Presentation by Bob Parsons



Presentation by
Jim St.John
and
Alfred Tunik

Presentations by Other Interested Parties

Planned Near-Term Efforts

- Gather Additional Information to Support Instrumentation Design
- Preparation for Instrumentation & Trials
- Evaluate Proposals for MOU Participants and Negotiate Scope
- Operator Guidance Test & Manual Development
- Design of Instrumentation System
- Update of Ice Trials Manual
- Initiate Development of Test Memos
- Develop Needed SOWs and/or MOUs